

WHAT IS CLAIMED IS:

1           1. A method of consolidating genealogy records, comprising:  
2           partitioning the records using at least one index file to form one or more  
3           partitions;  
4           sorting the records in a partition based on a data element in the records;  
5           comparing records within a sort range;  
6           based on the comparison, identifying same person records;  
7           consolidating information in the same person records;  
8           receiving a request from a user to view at least a portion of the consolidated  
9           information for a particular group of same person records; and  
10           sending a file comprising the portion to the user.

1           2. The method of claim 1, wherein partitioning the records using at least  
2           one index file comprises using a surname index to identify records having the same surnames  
3           and grouping those records into a surname partition.

1           3. The method of claim 2, further comprising using the surname index to  
2           identify records having similar surnames and grouping those records into the surname  
3           partition.

1           4. The method of claim 3, wherein using the surname index to identify  
2           records having similar surnames comprises using a phonetic algorithm to identify records  
3           having similar surnames.

1           5. The method of claim 4, wherein the phonetic algorithm comprises  
2           double metaphone.

1           6. The method of claim 4, wherein the phonetic algorithm comprises  
2           SOUNDEX.

1           7. The method of claim 1, wherein sorting the records in a partition based  
2           on a data element in the records comprises sorting the records based on birth date.

1           8. The method of claim 1, wherein sorting the records in a partition based  
2           on a data element in the records comprises sorting the records based on a selection from the  
3           group consisting of name, death date, death place, and birth place.

1                   9.        The method of claim 7, wherein comparing records within a sort range  
2 comprises comparing records within a birth date range.

1                   10.      The method of claim 1, wherein identifying same person records  
2 comprises calculating a score that represents the likelihood that a pair of compared records  
3 represent the same person.

1                   11.      The method of claim 10, further comprising comparing records related  
2 to pairs of same person records.

1                   12.      The method of claim 11, wherein comparing records related to pairs of  
2 same person records comprises revising the score based on the comparison of related records.

1                   13.      The method of claim 12, wherein identifying same person records  
2 comprises comparing the score to a predetermined threshold and rejecting records as “same  
3 person” records if the score is below the threshold.

1                   14.      The method of claim 1, wherein the portion comprises a family tree  
2 based on consolidated information from a plurality of records.

1                   15.      A system for consolidating genealogy records, comprising:  
2                   a processor programmed to:  
3                   partition the records using at least one index file to form one or more  
4 partitions;  
5                   sort the records in a partition based on a data element in the records;  
6                   compare records within a sort range;  
7                   based on the comparison, identify same person records;  
8                   consolidate information in the same person records;  
9                   receive a request from a user to view at least a portion of the  
10 consolidated information for a particular group of same person records; and  
11                   send a file comprising the portion to the user.

1                   16.      The system of claim 15, wherein the processor, in being programmed  
2 to partition the records using at least one index file is further programmed to use a surname  
3 index to identify records having the same surnames and grouping those records into a  
4 surname partition.

1                   17.     The system of claim 16, the processor is further programmed to use the  
2     surname index to identify records having similar surnames and group those records into the  
3     surname partition.

1                   18.     The system of claim 17, wherein the processor, in being programmed  
2     to use the surname index to identify records having similar surnames is further programmed  
3     to use a phonetic algorithm to identify records having similar surnames.

1                   19.     The system of claim 18, wherein the phonetic algorithm comprises  
2     double metaphone.

1                   20.     The system of claim 18, wherein the phonetic algorithm comprises  
2     SOUNDEX.

1                   21.     The system of claim 15, wherein the processor, in being programmed  
2     to sort the records in a partition based on a data element in the records is further programmed  
3     to sort the records based on birth date.

1                   22.     The system of claim 15, wherein the processor, in being programmed  
2     to sort the records in a partition based on a data element in the records is further programmed  
3     to sort the records based on a selection from the group consisting of name, death data, death  
4     place, and birth place.

1                   23.     The system of claim 21, wherein the processor, in being programmed  
2     to compare records within a sort window is further programmed to compare records within a  
3     birth date range.

1                   24.     The system of claim 15, wherein the processor, in being programmed  
2     to identify same person records is further programmed to calculate a score that represents the  
3     likelihood that a pair of compared records represent the same person.

1                   25.     The system of claim 24, further the processor is further programmed to  
2     compare records related to pairs of same person records.

1                   26.     The system of claim 25, wherein the processor, in being programmed  
2     to compare records related to pairs of same person records is further programmed to revise  
3     the score based on the comparison of related records.

1                   27.     The system of claim 26, wherein the processor, in being programmed  
2 to identify same person records is further programmed to compare the score to a  
3 predetermined threshold and reject records as “same person” records if the score is below the  
4 threshold.

1                   28.     The system of claim 15, wherein the portion comprises a family tree  
2 based on consolidated information from a plurality of records.